

#4

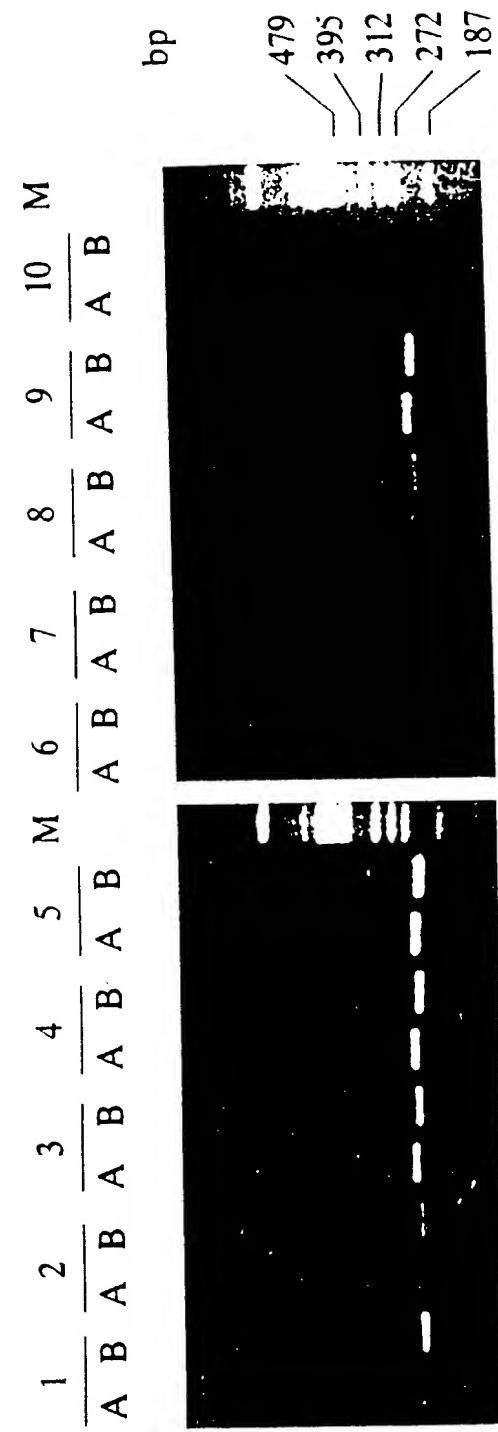


FIG. 1

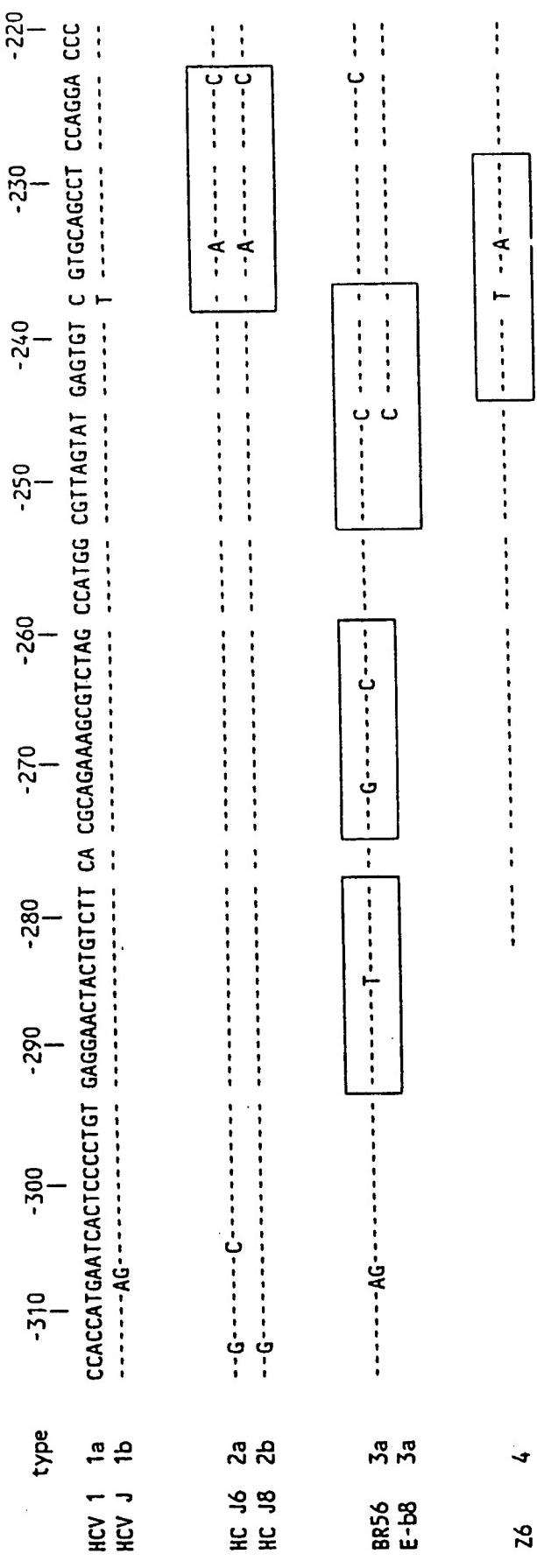


FIG. 2A

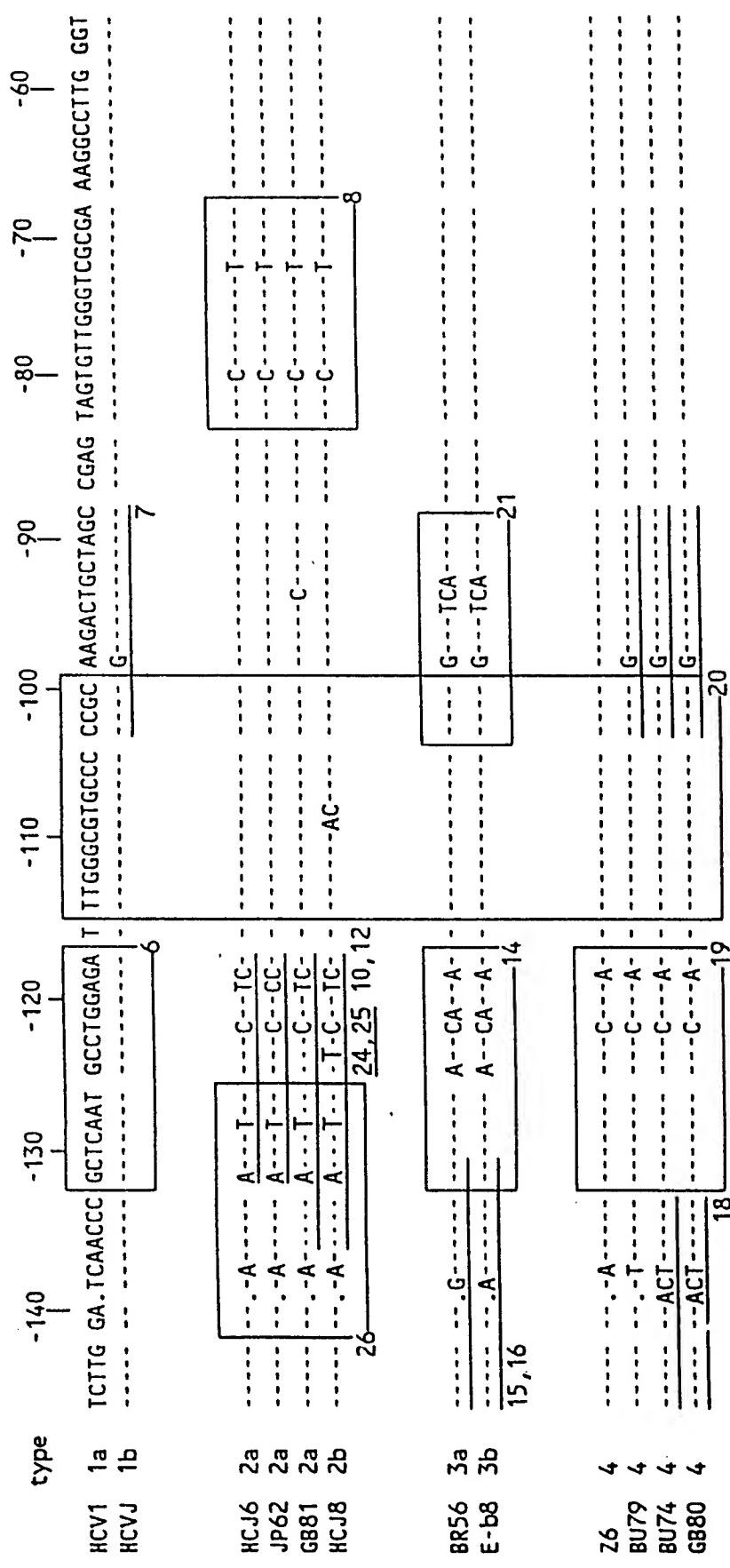


FIG. 2B

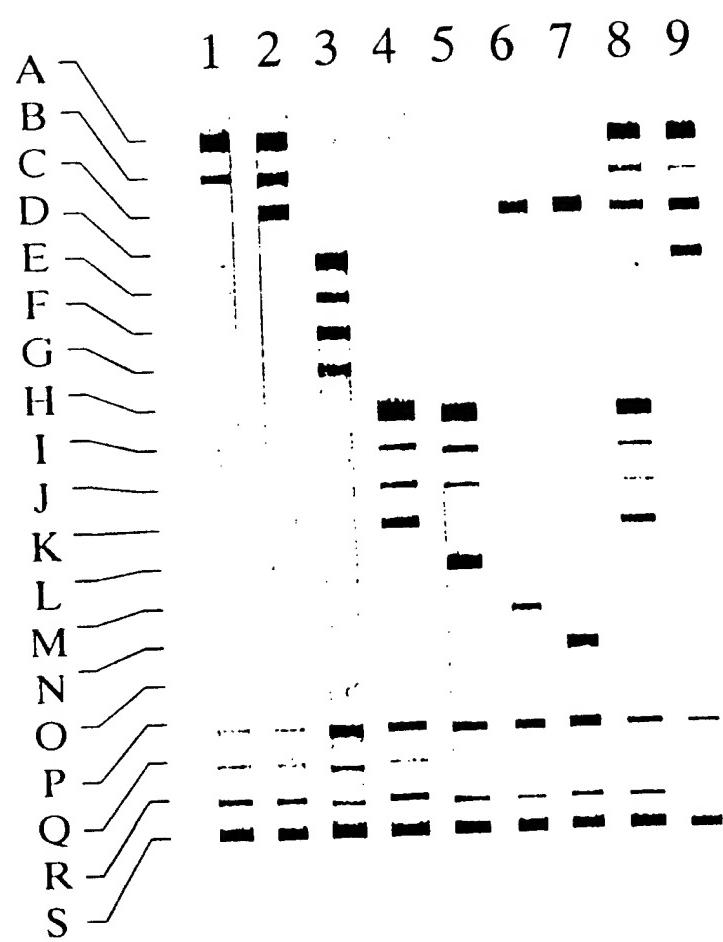


FIG. 3

T G A T C T C A A C G G G G G

Iso-late	Type	-240	-230	-220	-180	-170	-160	-150	-140	Accession number ref.
HCV-1	1a	GAGTGTCGTGCCAGGCTCCAGGACCC*		AGTACACCGGAATTGCCAGGACCC						SEQ ID NO 61
HCV-J	1b	T-----	*							SEQ ID NO 62
BE82	1b		*							
BE90	1b			T-----	*					
						T-----				
							T-----			
								T-----		
HC-J6	2a	A-----		C-----	*					SEQ ID NO 63
HC-J8	2b	A-----	A-----	C-----	*					SEQ ID NO 64
BE91	2b	A-----	A-----	C-----	*					
BE92	2c	A-----	A-----	C-----	*					
BR56	3a	C-----	*	C-----	TG-----	GT-----				SEQ ID NO 65
BE93	3a	C-----	*	C-----	TG-----	GT-----				SEQ ID NO 66
BE94	3a	C-----	*	C-----	TG-----	GT-----				
HCV-TR	3b	C-----	*	C-----	G-----	T-----				
BE98	3c	C-----	*	C-----	G-----	TT-----				

FIG. 4A-1

W D2TAT-23066860

Iso-late	Type	-240	-230	-220	-180	-170	-160	-150	-140	Accession number ref.
GB48	4a	T-A-	*	*	C-G-T					SEQ ID NO 67
GB116	4a	T-A-	*	C-G-T						SEQ ID NO 68
GB569	4a	T-A-	*	C-G-T						SEQ ID NO 69
GB358	4a	T-A-	*	C-G-T						SEQ ID NO 70
Z1	4b	T-A-	*	C-G-T						SEQ ID NO 71
CAM600	4C	T-A-	*	C-GA-T						SEQ ID NO 72
CAM736	4C	T-A-	*	C-GA-T						SEQ ID NO 73
GB809	4C	T-A-	*	C-GA-T						SEQ ID NO 74
Z4	4C	T-A-	*	C-						
DK13	4d	T-A-	*	C-G-T						
GB549	4e	T-	*	T-C-G-						
GB438	4f	A-	*	T-C-G-T						
GB724	4g	A-	*	T-C-						
BE97	4g	T-A-	*	C-						
GB487	4h	T-A-	*	C-T-						

FIG. 4A-2

T02T2T-23066350

Iso-late	Type	-240	-230	-220	-180	-170	-160	-150	-140	Accession number ref.
SA1 BE95	5a	AA	*	*		G	T		A	7
	5a	AA	*	*		G	T		T	
BE96	5a	AA	44						A	
HK1	6a	A	C	*		T		CA	A	8
HK2	6?	A	C	*		T		CA	A	

FIG. 4A-3

Isolate	Type	-130	-120	-110	-100	-90	-80	-70	Accession number reference
HCV-1	1a	CCC GCT CAAT G C T G G A G A T T G G G C G T G C C C G C A A G A C T G C T A G C C G A G T A G T G T G G G T C G C G A	31						1
HCV-J	1b			G					2
BE82	1b			G	C				
BE90	1b		G	G					
HC-J6	2a		A	T	C	T	C	T	3
HC-J8	2b		A	T	C	AC	C	T	4
BE91	2b		A	T	C	T	T	C	
BE92	2c		A	T	TC		C	T	
BR56	3a		A	CA	A		G	TCA	5
BE93	3a		A	CA	C		G	TCA	
BE94	3a		A	CA	C		TCA		
HCV-TR	3b		C	A			G	TCA	6

FIG. 4B-1

P027428 28066360

Isolate	Type	-130 ↓	-120 ↓	-110 ↓	-100 ↓	-90 ↓	-80 ↓	-70 ↓	Accession number reference
GB48	4a		C-A						
GB116	4a		C-A						
GB569	4a		C-A						
GB358	4a		C-A						
GB549	4e		C-CA						
CAM600	4C		TC-A						
CAM736	4C		TC-A						
GB809	4C		TC-A						C-
GB487	4h		A		50				
GB724	4g		A						
BE97	4g		A						
SA1	5a		C						
BE96	5a		C						
BE95	5a		C						G-
HK1	6a								
BE98	3c		C-A						G-
GB438	4f		C-A						G-

FIG. 4B-2

STVTESDIRTEAIYQCCDLDPQQARVAIKSLTERLYVGGPLTNSGENCYRRCRASGVLTTCYIKARAACRAAGLQDCTMLVCGDDLVICE

	R-	R
HCV-1	-N--S-A-E-Q-R-	K-Q-----
HC-J1	-V-S-A-E-QV-R--	I-K-Q-----
HCV-H	-V-S-A-E-R-----	I-K-Q-----
HCV-J	-QN-V-S-A-E-Q-----	I-K-Q-----
HCV-JK1	-V-S-A-E-Q-R-----	I-K-Q-----
HCV-CHINA	-V-S-A-E-Q-R-----	I-K-Q-----
HCV-T	-V-S-A-E-Q-R-----	I-K-Q-----
HC-J4.91	-V-S-A-E-Q-----	I-K-Q-----
HCV-TA	-V-S-A-E-Q-----	I-K-Q-----
HCV-JT	-V-S-A-E-Q-----	I-K-Q-----
HCV-BK	-N-V-S-A-E-Q-----	I-K-Q-----
BE90	-N-V-S-A-E-Q-----	I-K-Q-----
HCV-J6	-R-S-RA-S-PEE-HT--H	MF-K-QT-----
HC-J8	-R-S-A-S-PQE-TV-H--	M-K-QS-----
BE91	-R-S-A-S-PQE-TV-H--	M1-K-QS-----
BE92	-R-S-LA-S-PE-T-H--	ML-K-QT-----
T1	-Q-V-E-N-E-E-RV-S--	C-MF-K-AQ-----
T7	-Q-V-E-N-E-E-KV-S--	C-MY-K-VQ-----
BE93	-H-E-E-K-SA-----	I-MY-K-LQ-----
T9	-Q-E-E-K-SA-----	I-MY-K-LQ-----
T10	-K-V-EV-E-E-K-TA--	MH-K-DL-----
GB48	-K-V-EV-E-E-R-TA--	MH-K-DL-----
GB116	-K-V-EV-E-E-KV-TA--	MH-K-DL-----
GB215	-K-V-EV-E-E-KV-TA--	MH-K-DL-----
GB358	-K-V-EV-E-E-K-TA--	MH-K-DL-----
GB549	-R-E-E-E-KV-SA-----	MY-K-DL-----
GB809	-R-KV-EV-E-E-KV-AA--	MH-K-DL-----
BE95	-H-M-S-S-Q-E-A-R-Q--	C-MY-K-QQ-----
CHR18	-H-M-S-SLY-Q-E-R-Q--	F-M-C-MY-K-QQ-----

FIG. 5A

SEQ ID NO

	101
HCV-1	SAGVQEDAASLRA
HC-J1	-----
HCV-H	-----
HCV-J	---T---A---
HCV-JK1	---T-----V
HCV-CHINA	---T-----V
HCV-T	---T-----V
HC-J4.91	---T---A---
HCV-TA	---T-----V
HCV-JT	---T-----V
HCV-BK	---T-----V
BE90	---T-----V
HC-J6	-Q-TE--ERN---
HC-J8	-Q-NE--ERN---
BE91	-Q-NE--ERN---
BE92	-Q-TE--ERN---
T1	-D--D--R-A---
T7	-D--D--RTA---
BE93	-D--D--R-A---
T9	-C~E--R-A---
T10	-C--E--R-A---
GB48	-D--E--KRP-G-
GB116	-D--E--KRA-G-
GB215	-D--E--KRA-GV
GB358	-D--E--KRA-G-
GB549	-G--E--RA---
GB809	-G--E--KRA-G-
BE95	-Q-TH--E-----
CHR18	-Q-TH--K-----

FIG. 5B

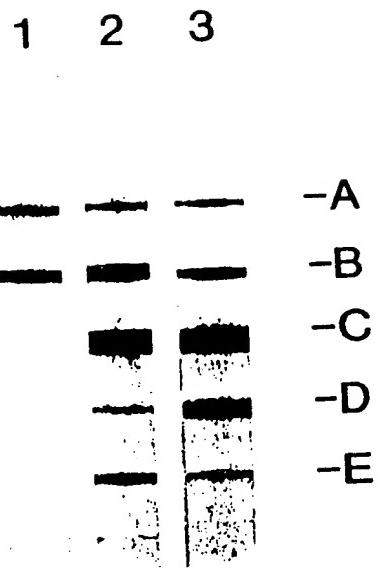


FIG. 6

1 2 3

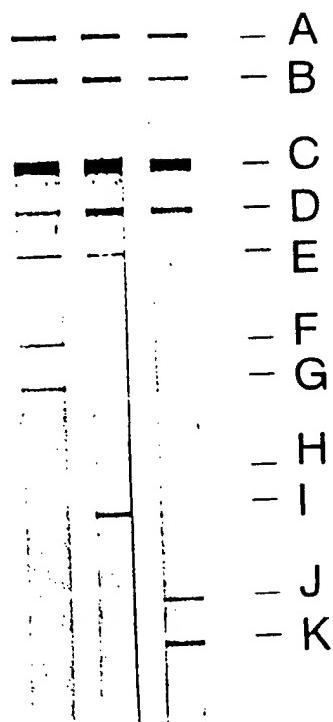


FIG. 7

1 2 3 4

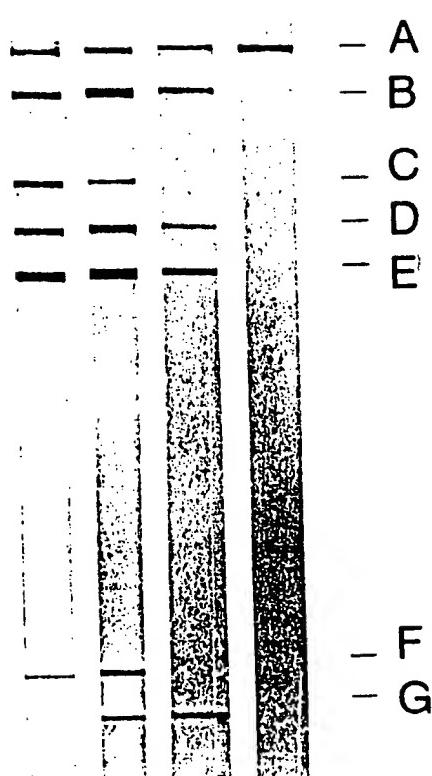


FIG. 8

1 2

— A
— B
— C
— D
— E
— F
— G

44 —
45 —
46 —
31 —
7 —

1 2

— A
— B
— C
— D
— E
— F
— G
— H
— I
— J

— K
— L
— M
— N
— O

FIG. 9

FIG. 10